

# INTERNATIONAL SEARCH REPORT

International Application No.

PCT/IB2004/050322

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G01R33/563

According to International Patent Classification (IPG) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G01R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC, COMPENDEX, WPI Data, EMBASE, MEDLINE, BIOSIS, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, O, Y	<p>CALLOT V ET AL: "IVIM-based MRI method to study the microcirculation in the heart: preliminary results in dogs"</p> <p>PROCEEDINGS OF SPIE - THE INTERNATIONAL SOCIETY FOR OPTICAL ENGINEERING, MEDICAL IMAGING 2003. PHYSIOLOGY AND FUNCTION, METHODS, SYSTEMS AND APPLICATIONS, CONFERENCE 16.02.03-18.02.03, vol. 5031, May 2003 (2003-05), pages 214-221, XP002287611</p> <p>USA</p> <p>ISSN: 0277-786X</p> <p>* chapter 2.3 *figure 3</p> <p>-----</p> <p>-/--</p>	1-17

☒ Further documents are listed in the continuation of box C.

☐ Patent family members are listed in annex.

\* Special categories of cited documents:

\*A\* document defining the general state of the art which is not considered to be of particular relevance

\*E\* earlier document but published on or after the international filing date

\*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*G\* document member of the same patent family

Date of the actual completion of the international search

9 July 2004

Date of mailing of the international search report

13/08/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>BASSER P J ET AL: "ESTIMATION OF THE EFFECTIVE SELF-DIFFUSION TENSOR FROM THE NMR SPINECHO"</p> <p>JOURNAL OF MAGNETIC RESONANCE. SERIES B, ACADEMIC PRESS, ORLANDO, FL, US, vol. 103, no. 3, 1994, pages 247-254, XP000918072</p> <p>ISSN: 1064-1866</p> <p>the whole document</p>	1-17
X	<p>LE BIHAN D ET AL: "INTRAVOXEL INCOHERENT MOTION IMAGING USING SPIN ECHOES"</p> <p>MAGNETIC RESONANCE IN MEDICINE, ACADEMIC PRESS, DULUTH, MN, US, vol. 19, no. 2, 1 June 1991 (1991-06-01), pages 221-227, XP000217990</p> <p>ISSN: 0740-3194</p> <p>* chapter "Principles of Diffusion Imaging Using Spin Echoes" *</p>	1-17
A	<p>GRANT D.M., HARRIS R.K: "ENCYCLOPEDIA OF NUCLEAR MAGNETIC RESONANCE"</p> <p>1996, JOHN WILEY &amp; SONS, CHICHESTER, XP002287613</p> <p>Le Bihan: "DIFFUSION &amp; PERFUSION IN MRI", p. 1645-1656</p>	1-17
A	<p>MOORE R J ET AL: "In vivo intravoxel incoherent motion measurements in the human placenta using echo-planar imaging at 0.5 T"</p> <p>MAGN. RESON. MED. (USA), MAGNETIC RESONANCE IN MEDICINE, WILEY, USA, vol. 43, no. 2, February 2000 (2000-02), pages 295-302, XP002287612</p> <p>ISSN: 0740-3194</p> <p>the whole document</p>	1-17